

1
2
3
4
5

**BEFORE THE DEPARTMENT OF
NATURAL RESOURCES AND CONSERVATION
OF THE STATE OF MONTANA**

6
7
8
9
10
11
12
13
14

IN THE MATTER OF APPLICATION FOR BENEFICIAL WATER USE PERMIT NO. 41H 11546900 BY ZOOT PROPERTIES LLC)))	PROPOSAL FOR DECISION
---	-------------	------------------------------

6
7
8
9
10
11
12
13
14

Pursuant to the Montana Water Use Act and to the contested case provisions of the Montana Administrative Procedure Act, and after notice required by Mont. Code Ann. §85-2-307 (2003), a hearing was held on September 28, 2004, in Bozeman, Montana, to determine whether a beneficial water use permit should be issued to Zoot Properties, LLC, hereinafter referred to as "Applicant" for the above Application under the criteria set forth in Mont. Code Ann. §85-2-311.

15

APPEARANCES

16
17
18

Applicant appeared at the hearing by and through counsel, John E. Bloomquist. Bruce Nelson; Chris Wasia, and Michael Kaczmarek, Chief Geologist, both of Morrison Maierle, Inc.; Bill Thompson, Hydrometrics, Inc.; and Dave Pruitt testified for the Applicant.

19
20
21
22
23
24

Objectors Faust, Kolnik, and McManus appeared at the hearing by and through counsel, Arthur V. Wittich. Teri Kolnik; Sandra McManus; Roselee Faust; Dr. Eloise Kendy, Kendy Hydrologic Consulting; Bill Schenk, and Patrick Byorth, Montana Department of Fish, Wildlife and Parks; and Chris Nelson were called to testify by the Objectors. Objector Walt Sales appeared at the hearing only as a witness for the other Objectors, but otherwise did not participate in the hearing.

25
26
27
28
29

Russell Levens, Hydrogeologist, Department of Natural Resources and Conservation was called to testify by the Applicant. Objectors called Bill Uthman, Hydrogeologist, Department of Natural Resources and Conservation (DNRC) who appeared through deposition upon oral examination on September 17, 2004. Porter Dassenko, Water Resource Specialist, DNRC Bozeman Water Resources Regional Office, was called to testify by the Objectors.

1

2 **EXHIBITS**

3 Both Applicant and Objectors offered exhibits for the record. The exhibits are admitted
4 into the record to the extent noted below.

5 Applicant offered 10 exhibits for the record. The Hearing Examiner accepted and
6 admitted into evidence Applicant's Exhibit Nos. 1, 2, 12, 14, 15, 16, 17, 18, 19, 20.

7
8 **Applicant's Exhibit A1** is an 8 ½ x 14" Color Map labeled Neighboring Well Locations
9 prepared by Morrison Maierle, Inc.

10 **Applicant's Exhibit A2** is a Morrison Maierle Memo dated August 13, 2004, regarding
11 Cone of Depression Calculation for Zoot Well to C. Wasia/P. Eller from M. Kaczmarek.

12 **Applicant's Exhibit A12** consists of a one-page hydrograph entitled "Flows of the
13 Gallatin River near Gallatin Gateway compared to estimated consumptive use." The second
14 page is a revised hydrograph that adds cottonwoods to the original.

15 **Applicant's Exhibit A14** is a document prepared by Morrison Maierle, Inc. entitled
16 *Galactic Park Subdivision Water Rights Hearing 2004 An Opinion of Historical Beneficial Water*
17 *Use & Proposed Beneficial Water Consumption.*

18 **Applicant's Exhibit A15** is a document entitled *Well Completion & Pump Test Results*
19 *Wells at Zoot Enterprises Inc.*

20 **Applicant's Exhibit A16** is a document prepared by Morrison Maierle, Inc. entitled
21 *Galactic Park Subdivision Collection of Water Rights Application Information September 2003.*

22 **Applicant's Exhibit A17** is one-page map entitled *Galactic Park Subdivision Irrigation*
23 *Areas* which was plotted September 27, 2004, by Morrison Maierle, Inc.

24 **Applicant's Exhibit A18** consists of two general abstracts of water right for Zoot
25 Properties LLC Water Right Nos. 41H-126909 and 41H-126910.

26 **Applicant's Exhibit A19** is a copy of a Warranty Deed to Zoot Properties, L.L.C., from
27 LeeLynn, Inc., dated March 5, 2001.

28 **Applicant's Exhibit A20** is a one-page document entitled *Zoot Water Balance* (Source:
29 July 2002 Water Supply & Distribution Design Report – Exhibit A15).

30
31 Objectors offered 14 exhibits for the record. The Hearing Examiner accepted and
32 admitted into evidence Objectors' Exhibit Nos. 2, 4-8, 11-15, 32.

1 **Objectors' Exhibit O1** was not admitted after Applicant's objection was sustained.

2 **Objectors' Exhibit O2** is a copy of the "Hackett" Map from *Geology and Ground-Water*
3 *Resources of the Gallatin Valley Gallatin County Montana* by O. M. Hackett, F.N. Visher, R.G.
4 McMurtrey, and W.L. Steinhilber.

5 **Objectors' Exhibit O4** is a copy of the "Briar" Map from USGS HA-738B by Briar et al,
6 1996.

7 **Objectors' Exhibit O5** is a copy of the "Slagle" Map from USGS WRIR 95-A03A, 1995.

8 **Objectors' Exhibit O6** is a copy of the "Kendy" Map.

9 **Objectors' Exhibit O7** is a one-page map prepared by Kendy Hydrologic Consulting
10 entitled *Water-Table Map of the proposed Galactic Park Subdivision site, July 10, 2002*.

11 **Objectors' Exhibit O8** is a one-page map prepared by Kendy Hydrologic Consulting
12 entitled *Water-Table Map of the proposed Galactic Park Subdivision site, September 10, 2002*.

13 **Objectors' Exhibit O11** is a document prepared by Wetlands West, Inc, dated July
14 2001 and entitled *Wetland Delineation Report*.

15 **Objectors' Exhibit O12** is one page containing two drawdown hydrographs by Dr.
16 Kendy made from "data from Morrison Maierle data file".

17 **Objectors' Exhibit O13** is a one-page document which is a copy of Page 9 of a memo
18 to Chris Wasia/Pat Eller dated August 13, 2004, entitled "Drawdown in PSW-1 in response to
19 pumping PSW-3, Sept. 10, 2002".

20 **Objectors' Exhibit O14** is a one-page document which is a copy of Page 10 of a memo
21 to Chris Wasia/Pat Eller dated August 13, 2004, entitled "Drawdown in PSW-2 in response to
22 pumping PSW-3, Sept. 10, 2002".

23 **Objectors' Exhibit O15** is a one-page copy of a Steve Custer Letter to Mick Seeburg
24 dated June 18, 2001.

25 **Objectors' Exhibit O24** was not admitted into the record. The admittance of the Exhibit
26 (memo from Russell Levens to Scott Compton) into the record was objected to by Applicant
27 based upon surprise. The ruling was that if the document was in the DNRC file, the Exhibit
28 would be admitted and the objection overruled; if it was not in the file, the objection would be
29 sustained and the Exhibit not admitted. Later it was determined that the document was not in
30 the DNRC file and the Objection was sustained and the Exhibit not admitted into the record.
31 Objector made an offer of proof during Porter Dassenko's testimony regarding this exhibit.

32 **Objectors' Exhibit O32** is Walt Sales Water Right Listing.
33

1 In the deposition of Bill Uthman, 13 exhibits were offered for the record. The Hearing
2 Examiner accepted and admitted into evidence Objectors' Exhibit Nos. 4-16.

3 **Deposition Exhibit 4** is a copy of handwritten notes/chronology.

4 **Deposition Exhibit 5** is a copy entitled Criteria Addendum Application for Beneficial
5 Water Use Permit (August 26, 2003).

6 **Deposition Exhibit 6** is a copy of a memorandum from Bill Uthman to S. Compton and
7 P. Dassenko (DNRC) dated November 15, 2001.

8 **Deposition Exhibit 7** is a copy of a memorandum from Curt Martin, DNRC Water Rights
9 Bureau Chief, to DNRC Water Rights Bureau, Regional Offices, Water Management Bureau,
10 and Legal Staff dated March 29, 2002.

11 **Deposition Exhibit 8** is a copy of a May 31, 2002 Bill Uthman memorandum to Water
12 Resources Division.

13 **Deposition Exhibit 9** is a copy of a December 5, 2002 Bill Uthman memorandum to
14 Porter Dassenko.

15 **Deposition Exhibit 10** is a copy of a November 21, 2002, letter to P. Dassenko from M.
16 Kaczmarek.

17 **Deposition Exhibit 11** is a copy of a Kim Overcast (DNRC) August 27, 2004
18 memorandum to Regional Managers and New Appropriations Specialists.

19 **Deposition Exhibit 12** is a copy of a Kim Overcast (DNRC) September 1, 2004
20 memorandum to Regional Managers and New Appropriations Specialists.

21 **Deposition Exhibit 13** is a copy entitled "Aquifer Testing Guidelines" (April 2004).

22 **Deposition Exhibit 14** is a copy of a blank form entitled "Aquifer Test Data".

23 **Deposition Exhibit 15** is a copy entitled "Testing for an "Immediate or Direct" Hydraulic
24 Connection in Basin Closure Areas" (Jun, 04).

25 **Deposition Exhibit 16** is a document entitled "Testing for 'Immediate or Direct'
26 Hydraulic Connection".

27 The deposition of Bill Uthman was admitted into the record subject to objections made
28 during the deposition. I note the following objections and rule as follows:

DEPOSITION OF BILL UTHMAN		
Page/Line	Objection	Ruling
22/19	Mr. Bloomquist: Objection to Exhibit 5 (not disclosed).	Overruled. Deposition Exhibit 5 is in the DNRC file.

DEPOSITION OF BILL UTHMAN		
Page/Line	Objection	Ruling
42/16	Mr. Bloomquist: Objection. Witness is not qualified to establish Department policy.	Question was rephrased.
63/3, 12	Mr. Bloomquist: Objection. Witness is not in the role to determine how many wells will be granted.	The objection is overruled . The third version of the question is "who does write the permit?" The witness is allowed to offer his understanding of who writes a permit.
94/10	Mr. Wittich: Objection. Witness has no foundation to make a decision.	Overruled . The witness is a peer of the Staff Expert in this matter, Russell Levens, and has the expertise to offer an opinion on the question asked when Mr. Levens' opinion is part of the question.
101/16	Mr. Wittich: Objection. Lack of foundation	Overruled . The witness can offer his understanding of a memorandum he read a long time ago or minutes ago. It is still just his understanding.

PRELIMINARY MATTERS

Objector Walt Sales appeared at the hearing only as a witness for the other Objectors, but otherwise did not participate in the hearing. Mr. Sales did not attend the whole hearing proceeding and did not ask to be excused. Mr. Wittich did not represent Objector Sales in this proceeding. Prior to the hearing Objector Sales moved for a continuance of the hearing because he would be involved in crop harvest activities and would not be able to attend the hearing set for September 28, 2004. Objector Sales' Motion For Continuance was denied. Objector Sales was able to attend a small portion of the hearing and offer testimony in support of his objection as a witness for the other Objectors. The Hearing Examiner does not find Objector Sales in default. Objector Sales' interest in the proceeding is not dismissed and status as a Party is retained.

Prior to the hearing the Parties stipulated that water use permitting criteria at issue for the hearing are limited to physical and legal water availability, adverse affect, and possessory interest. In addition, at issue is whether the requested permit is subject to basin closure.

The Hearing Examiner hereby notifies the Parties that he is taking official Notice of the following Department of Natural Resources and Conservation documents:

- 1 • *Bud Clinch Letter to Donna Burns, Administrator, Meagher County Conservation Board,*
2 *paras. 2, 3, (April 18, 2002) (hereinafter Bud Clinch Letter).*
- 3 • *DEPARTMENT GUIDELINES FOR TEST WELLS AND AQUIFER TESTS, July 15,*
4 *2003.*
- 5 • *Proposal For Decision In the Matter of Application No. 41J 11508000 by Springdale*
6 *Colony, (2004).*

7
8 The Hearing Examiner, having reviewed the record in this matter and being fully advised
9 in the premises, does hereby make the following:
10

11 **FINDINGS OF FACT**

12 **General**

- 13 1. Application for Beneficial Water Use Permit 41H 11546900 in the name of Zoot
14 Properties, LLC, was signed and was filed with the DNRC on March 9, 2001. (DNRC file)
- 15 2. The Environmental Assessment (EA) dated February 20, 2003, prepared by the DNRC
16 for this Application was reviewed and is included in the record of this proceeding.
- 17 3. Applicant seeks to appropriate 1440 gallons per minute (gpm) up to 885.6 acre-feet of
18 water per year from ground water. The water is to be diverted using a total of six wells. Three
19 wells are single purpose geothermal cooling wells to appropriate a total of 1090 gpm up to 704.1
20 acre-feet per year. The three geothermal cooling wells are located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$,
21 NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, all in Section 11, Township 02 South, Range 04 East, Gallatin
22 County, Montana. The proposed place of year-round geothermal cooling use is in the SW $\frac{1}{4}$ of
23 Section 11, Township 02 South, Range 04 East, Gallatin County, Montana. The remaining three
24 wells are multi-purpose nongeothermal wells (production wells) to appropriate a total of 350
25 gpm up to 181.5 acre-feet, and are located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$,
26 NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, all in Section 11, Township 02 South, Range 04 East, Gallatin County,
27 Montana. The proposed period of use for domestic and commercial uses is year-round, and
28 May 1 though September 30, inclusive, for irrigation use. The proposed places of use for the
29 multiple domestic purpose of 45.3 acre-feet, the commercial purpose of 42.5 acre-feet, and the
30 35 acre irrigation purpose of 93.7 acre-feet, are located in the SW $\frac{1}{4}$ of Section 11, Township 02
31 South, Range 04 East, Gallatin County, Montana. (DNRC file)

1 4. Applicant's Expert evaluated the following proposed pumping scheme for the Application
2 in this case and modeled the cooling wells at 167 gpm up to a total of 56.5 acre-feet per year,
3 for the period May 1 through September 30, inclusive. See Finding of Fact No. 9 below. The
4 wells will be pumped one at a time in rotation each for a twenty-four hour period. The multi-
5 purpose production wells will pump the modeled 300 gpm for a total of 181.5 acre-feet per year.
6 These wells will also pump one at a time in rotation each for a twenty-four hour period for the
7 respective periods of use for the purposes, unless additional pumping is required for emergency
8 fire suppression. Under the proposed pumping scheme, one cooling well and one production
9 well would be in operation at the same time to provide the required water. (testimony of Mike
10 Kaczmarek)

11 **Physical Availability**

12 5. The three cooling wells have been operating under an Interim Permit for cooling
13 purposes issued on August 28, 2003, by the DNRC Bozeman Water Resources Regional
14 Office. The cooling wells have been in use since a couple of months prior to August 19, 2003,
15 and have supplied the cooling needs of the Applicant and shows water is physically available.
16 Operation under the Interim Permit is for the same cooling purpose requested in the Application.
17 Water is physically available for the cooling wells and purpose. (DNRC file, testimony of Bruce
18 Nelson)

19 6. The three production wells in the Application are each intended to provide water for the
20 domestic, commercial, and irrigation purposes. Well PSW-1 was test pumped at a constant 425
21 gpm on December 2, 2001, for 24 hours. Well PSW-2 was test pumped at a constant 425 gpm
22 on December 2, 2001, for 24 hours. Well PSW-3 was test pumped at a constant 500 gpm
23 beginning on September 10, 2002, for 72 hours. Applicant's Expert Mike Kaczmarek used
24 aquifer characteristics determined from the aquifer testing to model pumping water levels (using
25 the proposed pumping scheme for all six wells) through the irrigation season which is when the
26 maximum use occurs. The pumping water levels remain above the bottom of the wells during
27 this period as modeled. Water is physically available for the three production wells. (DNRC file,
28 testimony of Mike Kaczmarek)

29 **Legal Availability**

30 7. Applicant's proposed use of the cooling wells consists of pumping the water from the
31 wells, running the water through a heat exchanger, and then returning the water to the aquifer
32 through a clean water drain field on the Applicant's property. The cooling wells are a non-

1 consumptive use where all water diverted is returned to the source. Thus, all pumped water
2 returns to the aquifer and does not affect existing legal demands (identified by the DNRC at the
3 request of the Applicant) within the area of potential impact as modeled. Water is legally
4 available for the cooling wells. (DNRC file, testimony of Bruce Nelson, Chris Wasia)

5 8. The production wells are intended to provide water for the domestic, commercial, and
6 irrigation purposes. Applicant's Expert used aquifer characteristics determined from the aquifer
7 testing described in Finding of Fact No. 6 above to model pumping levels (under the proposed
8 pumping scheme using all six wells) through the irrigation season which is when the maximum
9 use occurs. The maximum predicted drawdown associated with the proposed pumping rates
10 and pumping schedules for one year of operation occurs at 300 days of pumping according to
11 Applicant's revised Figure 2 of Applicant's Exhibit A2. Drawdown beyond a distance of about
12 500 feet from the pumped wells is less than 0.4 feet after 300 days of pumping. The existing
13 legal demands (identified by the DNRC for the cone of depression at the request of the
14 Applicant) in the area are located where the drawdown in the cone of depression ranges from
15 0.4 to 0.1 feet or less. The cone of depression does not cause enough drawdown at the
16 locations of the existing wells to affect their ability to take ground water from the alluvial aquifer.
17 Water is legally available for the production wells. (DNRC file, testimony of Mike Kaczmarek)

18 **Adverse Effect**

19 9. The maximum predicted drawdown associated with pumping the cooling wells at 167
20 gpm May through September, and the production wells at the 300 gpm according to the
21 proposed pumping scheme over the course of one year of operation, occurs at 300 days of
22 pumping. For the set of three cooling wells and the set of three production wells, Applicant's
23 plan is to pump for short periods of time and rotate pumping among each set of three wells so
24 no more than one well is pumped at a time (except during a fire emergency) to reduce
25 drawdown in the aquifer. Reducing drawdown will reduce effects on area aquifer users.
26 Drawdown beyond a distance of about 500 feet from the pumped wells is limited to less than 0.4
27 feet when pumping the cooling wells at 167 gpm and the production wells at the 300 gpm flow
28 rates used in the model. The existing wells in the area are located where the drawdown in the
29 cone of depression ranges from 0.4 to 0.1 feet or less. There is testimony that the cooling wells
30 will be used at 1090 gpm, yet the cooling well pumping rate modeled by Mr. Kaczmarek is 167
31 gpm for twelve hours per day between May 1 and September 30 instead of the 1090 gpm

requested¹. See Applicant's Exhibit A2. Even though all water pumped for this purpose is returned to the aquifer and there is testimony from the owner of the well nearest to Applicant's wells, Mr. Dave Pruitt, that pumping the cooling wells at the 1090 gpm rate has not affected use of his well (as of the date of the hearing), Applicant's Expert presented evidence on projected impacts only for the modeled flow rate of 167 gpm. Thus, the rate used to predict effects on others must be used instead of 1090 gpm requested. The 167 gpm cooling well rate will not adversely affect other appropriators. (DNRC file, testimony of Mike Kaczmarek, Dave Pruitt, Dr. Eloise Kendy)

10. The cone of depression using Applicant's proposed operation plan for the cooling and production wells does not cause enough drawdown at the existing wells within the cone of depression to affect their ability to take ground water from the alluvial aquifer, so there is not adverse effect on area wells at the 300 gpm production well flow rate used in Applicant's modeling predictions. The cone of depression from a 333 gpm maximum pumping rate (see Finding of Fact No. 16 below) or from the 350 gpm pumping rate applied for is not in the record. Even though the cone of depression from pumping at 333 gpm is not believed to be significant, it was not modeled and there is no evidence in the record as to its impact, if any. Thus, the adverse effects for the modeled flow rate (300 gpm) must be used in the adverse affect analysis. (DNRC file, testimony of Mike Kaczmarek)

11. The general direction of ground water flow in the vicinity of the Applicant's point of diversion is in a northwesterly to northerly direction. A northerly direction is parallel to the West Gallatin River. This ground water enters the reach of the West Gallatin that generally lies within Section 10 and 11 of Township 2 South, Range 4 East. (Applicant's Exhibit A1, See Finding of Fact No. 22 below, testimony of Russell Levens)

12. The aquifer Applicant proposes to use for both cooling and production is connected to the West Gallatin River west of Applicant's place of use. The cone of depression extends to the West Gallatin River when the requested volume of water is modeled. Capturing water that has historically flowed from the aquifer into the West Gallatin River will reduce flows in the River by the amount captured. Thus, Applicant's proposed use will affect downstream West Gallatin River appropriators by the amount - volume and flow rate - captured. Downstream appropriators do not receive the full amount of their existing rights. Downstream existing rights have in the past relied upon the tributary ground water contribution area aquifers have made to the West

¹ (167 gpm times 720 Minutes per day times 153 days/year) / 325851 gal/af = 56.5 acre-feet/year

1 Gallatin River. Reduction in the amount of tributary ground water will occur as a result of
2 drawdown in the aquifer beneath the West Gallatin River. Ground water continues to reach the
3 river decreased by the volume and flow rate captured. Applicant's Expert Mike Kaczmarek
4 stated the portion consumed of the requested water would equal the maximum amount of
5 capture, and then, Mr. Kaczmarek estimated the theoretical capture at 0.095 cubic feet per
6 second² (cfs). This theoretical capture flow rate corresponds to a consumptive use volume of
7 69.4 acre-feet per year³. Applicant plans to not divert or use their portion (40%) of irrigation
8 Water Right Claim Nos. 41H-126909 (122 gpm up to 115.4 acre-feet, 1883 priority date,
9 diverted into the Beck and Border Ditch)⁴ and 41H-126910 (337.5 gpm up to 319.12 acre-feet,
10 1866 priority date, diverted into the Beck and Border Ditch)⁵ both from the West Gallatin River
11 to mitigate losses to the West Gallatin River from any capture of ground water tributary to the
12 West Gallatin River. Applicant's Exhibit No. A14 indicates that the historical beneficial use of
13 water (for only the East 80 acre half), not including excessive infiltration/runoff (which is not
14 considered consumptive) is estimated to be 108 acre-feet per year. If not diverted, water from
15 Applicant's surface water irrigation rights will flow down the West Gallatin River to the benefit of
16 all appropriators below the Applicant's point of diversion into the Beck and Border Ditch. These
17 water rights have been historically used and administered by a district court water
18 commissioner. Applicant's 1866 water right has not been cut off in district court water allocation
19 exercises since the 1930s; Applicant's 1883 water right has been cut off one time in recent
20 years. The record does not show whether there are intervening appropriators between
21 Applicant's Beck and Border Ditch point of diversion for these rights and the reach of the West
22 Gallatin River west of the proposed place of diversion and use. Applicant's share of the rights
23 historically used and proposed to be not diverted (≈ 122 gpm up to 115.4 acre-feet, and 337.5
24 gpm up to 319.12 acre-feet, or at least 108 acre-feet consumed) exceeds that amount captured
25 and consumed by the proposed ground water use ($\approx .095$ cfs / 43 gpm, or 69.4 acre-feet). If
26 there were intervening appropriators, they would reap the benefits of Applicant's proposed plan
27 instead of those downstream of where the tributary ground water captured would have entered

² .095 cfs \approx 43 gpm)

³ 54 af / yr irrigation demand (Applicant's Exhibit A14, Figure 4) +15.4 af / yr domestic demand (Applicant's Exhibit A14, Figure 5 [87.6-72.2=15.4]) = **69.4** af / yr.
(**69.4** af / yr times 325851 g / af) / 365 d / yr times 1440 m / d) / 448.8 gpm / cfs \approx .**095** cfs

⁴ Applicant's Exhibit A18: 305 gpm times .4 (Zoot portion) = 122 gpm; 288.57 af times .4 = 115.43 af

⁵ Applicant's Exhibit A18: 1.88 cfs times 448.8 g / cfs times .4 (Zoot portion) \approx 337.5 gpm; 797.8 af times .4 = 319.12 af

1 the West Gallatin River. There will be no adverse effect by Applicant's proposed use when the
2 existing West Gallatin River water rights are not used by the Applicant **and** use of the water not
3 diverted is protected from existing or future appropriators until it reaches the West Gallatin River
4 where the captured ground water would have entered the river west of Applicant's place of
5 diversion. (DNRC file, testimony of Bruce Nelson, Chris Wasia, Mike Kaczmarek, Russell
6 Levens, Dave Pruitt, Walt Sales, Dr. Eloise Kendy)

7 13. The capture of ground water may occur at all times water is diverted from the aquifer or
8 year round. Applicant's Expert argues that the amount of captured water is reduced when the
9 rotation pumping scheme is used, and that capture is reduced by return flow from domestic and
10 commercial uses, and the portion of the irrigation water which returns to the aquifer. These
11 arguments were offered to explain that off irrigation season capture will be minimal and will have
12 no affect on any surface water appropriator. However, when Applicant estimated the amount of
13 water captured no amount of return flow was calculated. It cannot be both ways. Either the
14 return flow must be determined and deducted from the amount captured, or the amount of non-
15 irrigation season capture must be augmented if there are affects on existing rights during this
16 time. Off season rights which might be affected are the Montana Department of Fish, Wildlife
17 and Parks' (DFWP) instream Murphy Rights downstream of the Zoot area, and their instream
18 Water Reservations. DFWP's instream rights will be adversely affected if the flow in the river is
19 diminished below their instream right, or their rights are met less frequently. DFWP has not seen
20 or compared the historic use of Applicant's water rights with the proposed use. However, if
21 Applicant's planned reduction in use of the irrigation rights is greater than the amount
22 consumed, and the rights not used are not used by someone else, then DFWP is not
23 concerned. DFWP's concern is with the proposed irrigation consumption. The adverse affects of
24 capture of the ground water tributary to the West Gallatin River is limited to effects during the
25 irrigation season. Applicant's augmentation plan to not use the two irrigation rights will offset the
26 impacts of capture during the irrigation season. (Testimony of Mike Kaczmarek, Bill Schenk)

27 14. Some Objectors voiced concern about less water in the river if additional people move to
28 the Four Corners area⁶, and their (Objectors') water right may be called in the future by a
29 downstream senior appropriator because there is less water in the river. Some Objectors are
30 also concerned about effects of lower West Gallatin River water levels on their recreational use
31 of the river. Objector Faust is a licensed bird rehabilitator and can no longer release birds on the

⁶ Four Corners is located about a mile southeast of the proposed place of use according to Applicant's Exhibit A1.

1 River because of a lack of success rate. Objectors have ground water rights and West Gallatin
2 River irrigation and stock water rights, but Objectors have no water right for recreational or
3 wildlife habitat purposes from the West Gallatin River. (DNRC file, testimony of Teri Kolnik,
4 Sandra McManus, Roselee Faust)

5 **Adequacy of Appropriation Works**

6 15. Three wells have been drilled and have been used for the closed geothermal cooling
7 purpose under an Interim Permit issued by the DNRC. The three cooling wells have been used
8 at the total requested rate for this purpose of 1090 gpm. The cooling wells provide adequate
9 flow and amount. (DNRC file, testimony of Bruce Nelson, Chris Wasia)

10 16. In addition to the three cooling wells there are three production wells intended for use
11 with the multiple domestic, commercial, and irrigation purposes. The production wells are
12 designed to provide fire flows in addition to the requested flow. The non-fire daily water
13 demands of the production uses can be satisfied by pumping one well at a time for 4 to 9.1
14 hours per day. The maximum pumping rate from each production well with installed pumps is
15 333 gpm according to Applicant's witness Mr. Wasia; 350 gpm was requested; yet, only 300
16 gpm was modeled by Mr. Kaczmarek. The wells are designed to pump one at a time and rotate
17 pumping to the next well after completion of each demand pumping cycle. If one well cannot
18 achieve adequate shut-in pressure, such as in the case of a fire emergency, then the next well
19 in the pumping rotation turns on to provide additional water and pressure. The production well
20 system is designed to provide water for the fully completed project except for the proposed
21 cooling purposes. The appropriation works for production purposes are adequate to divert the
22 modeled volume and flow rate. (DNRC file, testimony of Chris Wasia)

23 **Beneficial Use**

24 17. Applicant has provided persuasive evidence that the proposed purposes are beneficial
25 uses of water. The **modeled** flow of the cooling purpose and the **modeled** flow for the multiple
26 domestic, commercial, and irrigation purposes; and volume of water modeled for these
27 purposes are reasonable. See Mont. Code Ann. §85-2-102(2). (DNRC file, testimony of Bruce
28 Nelson, Chris Wasia)

29 **Possessory Interest**

30 18. Applicant is the owner of the property which has been designated in the Application as
31 the place of use. Even though Applicant has sold the subdivision rights to "New West", Applicant

1 still has a possessory interest in the place of use. And, Applicant has the exclusive property
2 rights in the ground water development works. (DNRC file, testimony of Bruce Nelson)

3 **Water Quality Issues**

4 19. No objections relative to water quality were filed against this Application nor were there
5 any objections relative to water classification or to the ability of a discharge permit holder to
6 satisfy effluent limitations of his permit. (DNRC file.)

7 **Basin Closure Issues**

8 20. The proposed wells are located in the Gallatin Valley which is within the Upper Missouri
9 River basin closure area. The DNRC cannot process or grant an application for a permit to
10 appropriate water within the Upper Missouri River basin until the final decrees have been issued
11 in accordance with Mont. Code Ann. Title 85, Chapter 2, Part 2 for all of the subbasins of the
12 Upper Missouri River basin. The "Upper Missouri River basin" means the drainage area of the
13 Missouri River and its tributaries above Morony Dam. Mont. Code Ann. §85-2-342(4). However,
14 this closure does not apply to ground water which is not immediately or directly connected to
15 surface water. Mont. Code Ann. §85-2-343(2)(a) and §85-2-342(2). The DNRC made a written
16 determination that water from the subject wells is ground water which allowed processing of this
17 Application to continue. A DNRC hydrogeologist (Uthman December 5, 2002, Memo to Porter
18 Dassenko) reviewed information provided by the Applicant and concluded the water requested
19 is connected to the West Gallatin River, but taking the water will not induce infiltration from the
20 river or the nearby Spain-Ferris Ditch. At hearing the Parties presented evidence regarding the
21 immediate or direct connection of the ground water requested to surface water. (DNRC file)

22 21. Objectors' expressed concern that Applicant's wells would induce infiltration from the
23 Spain-Ferris Ditch. Applicant's Expert Mike Kaczmarek pump tested well PSW-3 for 72 hours in
24 September 2002 while observing water levels in the pumping well, nearby wells, and
25 piezometers installed between the pumping well and the Spain-Ferris Ditch. The Spain-Ferris
26 Ditch is the nearest surface water to Applicant's wells. During the pumping test, the cone of
27 depression extended to and beyond the Spain-Ferris Ditch and no recharge boundaries were
28 seen which would have indicated a hydraulic connection to the Spain-Ferris Ditch. The nearby
29 observation wells included Applicant's other two production wells and the two piezometers.
30 However, Applicant explained that during the July 2002 test the Spain-Ferris Ditch overflowed
31 and concluded the July test could not be used in the immediate or direct testing purpose. When
32 the test was repeated in September 2002 there was no response indicating a hydraulic

1 connection to the Spain-Ferris Ditch. Because there is no hydraulic connection to the Spain-
2 Ferris Ditch, there is not an immediate or direct connection between the aquifer and the Spain-
3 Ferris Ditch. (DNRC file, testimony of Mike Kaczmarek)

4 22. The West Gallatin River within the projected cone of depression of the proposed wells is
5 generally gaining according to existing literature covering the area (Hackett, Briar, Slagle,
6 Kendy). Applicant's experts, Kaczmarek and Thompson, see this reach of the West Gallatin
7 River as gaining or that ground water is flowing parallel to the river. Objectors' expert sees the
8 reach of stream in this area as losing or losing in some reaches and gaining in others. Data on
9 ground water and streambed elevations over time are needed to make this evaluation with any
10 certainty. Objectors' Exhibit O-11, a copy of a portion of a wetland delineation report prepared
11 for Applicant's project, indicates ground water created area wetlands and also loss of surface
12 water from the Spain-Ferris Ditch to wetlands. The non-degradation report (DNRC file) prepared
13 by Nicklin Earth & Water, Inc. to analyze potential for degradation of surface water quality near
14 the Zoot project indicates that "the direction of ground water flow is towards the north northwest
15 and runs **about** parallel to the West Gallatin River. However, the data are limited and may not
16 be conclusive." (emphasis added) These wetland delineation and degradation of surface reports
17 prepared for the Applicant are not conclusive because they are based on limited data. Objectors
18 presented evidence that this reach of the West Gallatin River is losing by taking three
19 miscellaneous ground water level measurements made the day before the hearing in this
20 matter. The measurements indicate the depth to ground water in wells east of the West Gallatin
21 River increases further from the river. These measurements give more detailed local information
22 than the referenced literature, however, these measurements were made without knowledge of
23 pre-measurement conditions in the measured wells. The use of these three measurements is
24 not sufficient to overturn the general literature. Objectors' Expert Kendy also used well water
25 levels from Applicant's July and September 2002 data to draw water level contours which
26 indicate water is flowing away from the West Gallatin River which would indicate the river is
27 losing in this reach. Here, the water level data used for this contour exercise are from wells only
28 at the Applicant's proposed place of diversion and use. Water level data outside the Applicant's
29 proposed place of use should be incorporated into any analysis to contour water levels to
30 determine if a stream reach is gaining or losing. Objectors' Expert voiced concern about using
31 the existing literature when it may be based upon only one well in this area or decades old even
32 though the studies are area-wide. The consensus of experts in this matter is that more local
33 data is needed to make a convincing determination of whether this area is a gaining or losing

1 reach of the West Gallatin River. I agree. However, I find that measurements made the day
2 before the hearing or plotting water levels of Applicant's well data do not constitute sufficient
3 local data to determine whether the West Gallatin River is gaining or losing in this reach near
4 Applicant's point of diversion and place of use. Thus, I find the West Gallatin River in the reach
5 near Applicant's project is gaining as shown in the existing literature until changed in a proper
6 study adequate for the purpose. (DNRC file, testimony of Mike Kaczmarek, Bill Thompson, Dr.
7 Eloise Kendy)

8 23. Whether the West Gallatin River is gaining or losing is important because of the DNRC's
9 definition of ground water which is immediate or directly connected to surface water. Pumping
10 ground water which induces infiltration from nearby surface water by reversing the hydraulic
11 gradient between the source aquifer and a **gaining** body of surface water is immediately or
12 directly connected to surface water according to the DNRC. **Or**, pumping ground water which
13 induces infiltration from a nearby body of surface water by steepening the hydraulic gradient
14 between the source aquifer and a **losing** body of surface water is immediately or directly
15 connected to surface water according to the DNRC. There is consensus among the experts in
16 this matter that the aquifer which Applicant proposes to take water from is connected to the
17 West Gallatin River. The ground water modeled in this Application is not immediately or directed
18 to the West Gallatin River because it does not induce infiltration from the River or other surface
19 water. (Testimony of Russell Levens, Mike Kaczmarek, Dr. Eloise Kendy)

20 Based on the foregoing Findings of Fact and the record in this matter, the Hearing
21 Examiner makes the following:

22 23 **CONCLUSIONS OF LAW**

24 1. This Application is for ground water that is not immediately or directly connected to
25 surface water and can be processed prior to issuance of final decrees for all the subbasins of
26 the Upper Missouri River basin. The DNRC cannot process or grant an application for a permit
27 to appropriate water within the Upper Missouri River basin until the final decrees have been
28 issued in accordance with Mont. Code Ann. Title 85, Chapter 2, Part 2 for all of the subbasins of
29 the Upper Missouri River basin. The "Upper Missouri River basin" means the drainage area of
30 the Missouri River and its tributaries above Morony Dam. Mont. Code Ann. §85-2-342(4).
31 However, ground water that is not immediately or directly connected to surface water is exempt
32 from the closure. See Mont. Code Ann. §§85-2-342(2), 343(2)(a). "Ground water" means water

1 that is beneath the land surface or beneath the bed of a stream, lake, reservoir, or other body of
2 surface water and that is not immediately or directly connected to surface water. Mont. Code
3 Ann. §85-2-342(2). The meaning of immediately or directly connected to surface water is not
4 explicitly defined in basin closure statutes. See *Bud Clinch Letter to Donna Burns*,
5 *Administrator, Meagher County Conservation Board*, paras. 2, 3, (April 18, 2002) (hereinafter
6 *Bud Clinch Letter*). The DNRC considers induced infiltration of surface water into ground water
7 the determining factor in whether ground water is immediately or directly connected to surface
8 water. See *DEPARTMENT GUIDELINES FOR TEST WELLS AND AQUIFER TESTS*, July 15,
9 2003, and *In the Matter of Application No. 41J 11508000 by Springdale Colony, Proposal For*
10 *Decision*, (2004). See Official Notice, Preliminary Matters, page 5, above. That is, the
11 Department Guidelines state an applicant first needs to determine whether the source aquifer is
12 hydraulically connected to surface water and then whether the proposed well creates sufficient
13 drawdown beneath a stream to induce infiltration from the streambed. Neither the closure nor
14 the Department Guidelines address stream reaches that may be in transition from gaining
15 reaches to losing reaches. Nor do they address reaches which change within a single season.
16 There was evidence presented at this hearing purporting to show the West Gallatin River was
17 losing water to ground water **and** gaining water from ground water. The status of gaining or
18 losing is significant because if the River reach adjacent to the proposed points of diversion is
19 losing water to the ground water aquifer, the Application could not go forward. The DNRC's
20 interpretation of ground water immediately or directly connected to surface water, allows
21 processing of ground water applications which are connected to surface water which do not
22 induce surface water infiltration into the aquifer. This interpretation allows an applicant to create
23 a plan to exercise a permit that demonstrates Applicant's use of water will be controlled so the
24 water rights of prior appropriators will be satisfied. Here, Applicant's plan is to augment flows in
25 the source to mitigate any impacts that would have an effect on a prior appropriator. Here, I
26 found that the aquifer is not hydraulically connected to the Spain-Ferris Ditch, but it is
27 hydraulically connected to the West Gallatin River. There is not sufficient evidence beyond a
28 few measurements to determine that the reach of the West Gallatin River adjacent to the
29 proposed points of diversion is losing when they are countered by multiple published reports
30 indicating the reach is generally gaining. These measurements may suggest that a more
31 detailed study is needed in this area to determine the if the gaining and losing state of the West
32 Gallatin River has changed. I find that the modeled amount of water is not immediately or
33 directly connected to the West Gallatin River because it does not induce infiltration and, thus,

1 the modeled amount under this Application is not subject to the Upper Missouri River basin
2 closure. Mont. Code Ann. §§85-2-342, 343. See Finding of Fact Nos. 20, 21, 22, 23.

3 2. The DNRC has jurisdiction to issue a provisional permit for the beneficial use of water if
4 the applicant proves the criteria in Mont. Code Ann. §85-2-311 by a preponderance of the
5 evidence. Mont. Code Ann. §85-2-311(1).

6 3. A permit shall be issued if there is water physically available at the proposed point of
7 diversion in the amount that the applicant seeks to appropriate; water can reasonably be
8 considered legally available during the period in which the applicant seeks to appropriate, and in
9 the amount requested, based on an **analysis** of the evidence on physical water availability and
10 the existing legal demands, including but not limited to a comparison of the physical water
11 supply at the proposed point of diversion with the existing legal demands on the supply of water;
12 the water rights of a prior appropriator under an existing water right, a certificate, a permit, or a
13 state reservation will not be adversely affected based on a consideration of an applicant's **plan**
14 for the exercise of the permit that demonstrates that the applicant's use of the water will be
15 controlled so the water right of a prior appropriator will be satisfied; the proposed means of
16 diversion, construction, and operation of the appropriation works are adequate; the proposed
17 use of water is a beneficial use; the applicant has a possessory interest, or the written consent
18 of the person with the possessory interest, in the property where the water is to be put to
19 beneficial use; and, if raised in a valid objection, the water quality of a prior appropriator will not
20 be adversely affected, the proposed use will be substantially in accordance with the
21 classification of water, and the ability of a discharge permit holder to satisfy effluent limitations of
22 a permit will not be adversely affected. Mont. Code Ann. §85-2-311 (1) (a) through (h).

23 4. The Applicant has proven that water is physically available at the proposed point of
24 diversion in the amount modeled for both the cooling wells and the production wells. Mont. Code
25 Ann. §85-2-311(1)(a)(i). See Finding of Fact Nos. 5, 6.

26 5. The Applicant has proven that water can reasonably be considered legally available.
27 Water physically available within the area of potential impact is legally available when it is not
28 destined for a senior appropriator at a time it can be diverted and used by the senior. *See In the*
29 *Matter of 41C-11339900 and 41C-19391600 by Three Creeks Ranch of Wyoming*, Final Order
30 (2002). Applicant has shown sufficient water will be physically available at the point of diversion
31 to supply the amount modeled throughout the period of appropriation, and senior appropriators

1 will be able to continue exercising their water rights. Mont. Code Ann. §85-2-311(1)(a)(ii). See
2 Finding of Fact Nos. 7, 8.

3 6. The Applicant has proven that the water rights of prior appropriators under existing water
4 rights, certificates, permits, or state reservations will not be adversely affected: (1) when the
5 pumping rate is reduced⁷ to the flow rate and plan of operation used in the cone of depression
6 analysis; (2) when conditioned according to Applicant's plan to limit pumping of both cooling and
7 production well clusters to one well at a time in a rotation scheme where at least on a daily
8 frequency a well supplies the daily demand and then pumping rotates to another well for the
9 next demand cycle; and (3) when conditioned to Applicant's plan to forego use of two irrigation
10 water rights from the West Gallatin River. An augmentation plan cannot change a determination
11 that water is immediately or directly connected to surface water. However, when ground water is
12 not immediately or directly connected to surface water as has been determined here, See
13 Conclusion of Law No. 1 above, augmentation can be used to assure prior rights can continue
14 to be satisfied if a permit is exercised. Here, the record is that the capture of ground water
15 tributary to the West Gallatin River occurs year round, but only adversely affects prior
16 appropriators during the irrigation season. Had the record been that non-irrigation season rights
17 would be affected, the augmentation plan would have had to cover that time as well. Thus,
18 augmentation water, the water not used by these two irrigation rights, must be protected from
19 diversion from its historic point of diversion into the Beck and Border Ditch through the reach of
20 the West Gallatin River where water captured from the aquifer would have entered the West
21 Gallatin River. That is, Applicant's plan must be modified such that the purpose of use and place
22 of use must be legally changed for the two surface water rights in Applicant's augmentation
23 plan. The well pumping rotation scheme applies to both the cooling wells and the production
24 wells. Objectors voiced concern about less water in the River if additional people move to the
25 Four Corners area, and their water right may be called in the future by a downstream senior
26 appropriator because there is less water in the river. Objectors are also concerned about effects
27 on lower West Gallatin River water levels on recreational use of the river or use of nearby river
28 habitat. However, Objectors have no water right for recreational use of the West Gallatin River
29 which can be adversely affected or used to call the source when flows are low. In any event,
30 Applicant's plan as modified by the Hearing Examiner will mitigate any loss to the West Gallatin

⁷ In Springdale the Hearing Examiner found that the Applicant did not model a full season's use, here the Applicant did not use the requested flow rate in the model. To project the impacts of a proposal, one must look at the impacts from the whole project, not just a part.

1 River by captured ground water at times prior rights will be adversely affected. Mont. Code Ann.
2 §85-2-311(1)(b). See Finding of Fact Nos. 9, 10, 11, 12, 13, 14.

3 7. The Applicant has proven that the proposed means of diversion, construction, and
4 operation of the appropriation works are adequate. Mont. Code Ann. §85-2-102(2), 311(1)(c).
5 See Finding of Fact Nos. 15, 16.

6 8. The Applicant has proven the proposed use of water is a beneficial use of water for
7 which Applicant can establish a water right under a permit. Mont. Code Ann. §85-2-311(1)(d).
8 See Finding of Fact No. 17.

9 9. The Applicant has proven a possessory interest in the property where water is to be put
10 to beneficial use. Mont. Code Ann. §85-2-311(1)(e). See Finding of Fact No. 18.

11 10. No objection was raised as to the issue of water quality of a prior appropriator being
12 adversely affected, the proposed use not being in accordance with a classification of water, or
13 as to the ability of a discharge permit holder to satisfy effluent limitation of a permit. Mont. Code
14 Ann. §85-2-311(1)(f), (g), (h). See Finding of Fact No. 19.

15 11. When the DNRC finds the basin closure statutes do not apply, the DNRC may issue a
16 permit subject to terms, conditions, restrictions, and limitations it considers necessary to satisfy
17 the criteria for issuance of a beneficial water use permit when the Applicant has met the criteria
18 for issuance of a permit. Applicant has met the criteria for issuance of a permit when conditions
19 are applied. Mont. Code Ann. §85-2-312. See Conclusion of Law Nos. 1, 2, 6.

20 **WHEREFORE**, based upon the foregoing Findings of Fact and Conclusions of Law, the
21 Hearing Examiner makes the following:
22

23 **PROPOSED ORDER**

24 Subject to the terms, conditions, restrictions, and limitations listed below, Beneficial
25 Water Use Permit 41h 11546900 is **GRANTED** to Zoot Properties, LLC, to appropriate 467
26 gallons per minute (gpm) up to 238.0 acre-feet of water per year from ground water. The water
27 is diverted using a total of six wells. Three wells are single purpose geothermal cooling wells to
28 appropriate a total of 167 gpm up to 56.5 acre-feet per year. The three geothermal cooling wells
29 are located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, all in Section 11,
30 Township 02 South, Range 04 East, Gallatin County, Montana. The place of geothermal cooling
31 use is in the SW $\frac{1}{4}$ of Section 11, Township 02 South, Range 04 East, Gallatin County,

Montana, between May 1 and September 30 of each year. The remaining three multi purpose production (domestic, commercial, and irrigation) wells, to appropriate a total of 300 gpm up to 181.5 acre-feet, are located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, all in Section 11, Township 02 South, Range 04 East, Gallatin County, Montana. The place of use for the year-round multiple domestic purpose of 45.3 acre-feet, the year-round commercial purpose of 42.5 acre-feet, and the 35 acre irrigation purpose of 93.7 acre-feet, are located in the SW $\frac{1}{4}$ of Section 11, Township 02 South, Range 04 East, Gallatin County, Montana. The irrigation period of diversion and period of use is May 1 through September 30, inclusive, of each year.

A. The Permittee must rotate pumping among the three cooling wells so that no more than one well is pumped at a time. Each well's pumping cycle must last no longer than 24 hours.

B. All water pumped from the cooling wells must be returned to the aquifer via a clean water drain field after use for the geothermal cooling purpose.

C. The Permittee must rotate pumping among the three production wells so no more than one well is pumped at a time. Each well pumping cycle must last no longer than 24 hours. Pumping from more than one well is allowed only for emergency fire protection.

D. The Permittee must apply for and be granted a change authorization from the DNRC for Permittee's forty percent (40%) portion of each Water Right Claim Nos. 41H-126909 and 41H-126910 before using water under this Permit. The authorization must protect the water from diversion and change the place of use of each water right to the reach of the West Gallatin River beginning at the current point of diversion (the Beck and Border Ditch) and ending downstream at the point where the West Gallatin River leaves the north side of Sections 10 and 11, Township 02 South, Range 04 East, Gallatin County, Montana. These surface water rights must not be diverted at any time ground water under this permit is being used.

NOTICE

This Proposal for Decision may be adopted as the DNRC's final decision unless timely exceptions are filed as described below. Any party adversely affected by this Proposal for Decision may file exceptions and a supporting brief with the Hearing Examiner and request oral argument. Exceptions and briefs, and requests for oral argument must be filed with the DNRC by March 8, 2005, or postmarked by the same date, and copies mailed by that same date to all parties.

1 Parties may file responses and response briefs to any exception filed by another party.
2 The responses and response briefs must be filed with the DNRC by March 28, 2005, or
3 postmarked by the same date, and copies must be mailed by that same date to all parties. No
4 new evidence will be considered.

5 No final decision shall be made until after the expiration of the above time periods, and
6 due consideration of *timely* oral argument requests, exceptions, responses, and briefs.

7 Dated this 16th day of February 2005.
8
9

10 Charles F Brasen
11 Hearings Officer
12 Water Resources Division
13 Department of Natural Resources
14 and Conservation
15 PO Box 201601
16 Helena, Montana 59620-1601
17

CERTIFICATE OF SERVICE

This certifies that a true and correct copy of the PROPOSAL FOR DECISION was served upon all parties listed below on this 16th day of February, 2005 by first class United States mail.

JOHN E. BLOOMQUIST, ESQ.
DONEY, CROWLEY, BLOOMQUIST, & UDA, PC
PO BOX 1185
DIAMOND BLOCK SUITE 200
44 W 6TH AVE
HELENA MT 59624

WALT SALES
3900 STAGECOACH TRAIL
MANHATTAN MT 59741

ARTHUR V WITTICH
WITTICH LAW FIRM P.C.
602 FERGUSON AVE STE 5
BOZEMAN MT 59718

DNRC WATER RESOURCES
BOZEMAN REGIONAL OFFICE
2273 BOOT HILL CRT STE 110
BOZEMAN MT 59715

(Hand Delivered)

RUSSELL LEVENS, HYDROGEOLOGIST
DNRC WATER RESOURCES DIVISION
PO BOX 201601
HELENA MT 59620-1601

Susan Russell
Hearings Unit
406-444-6615